COMMUNICABLE DISEASE CENTER



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September 24, 1966 Week Ending

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

EPIDEMIOLOGIC NOTES AND REPORTS HUMAN RABIES DEATH - South Dakota

A 10-year-old boy from Bryant, South Dakota, died of rabies on September 5, 1966. On August 3 the boy had been sleeping in his parents' backyard in a sleeping bag. He was awakened when a striped skunk (Mephitis mephitis) bit him on the right thigh after apparently crawling into the sleeping bag with the boy. While attempting to get away from the skunk, the boy received additional bites on the wrist, the fingers of both hands, and behind the right ear.

The skunk escaped, but what is believed to be the same animal was shot several hours later by the boy's father. This skunk was confirmed as rabid by Seller's

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stain and direct fluorescent microscopy procedures at the South Dakota State Veterinary Diagnostic Laboratory, Brookings, South Dakota.

A local physician cleansed the child's bite wounds with phisohex and water and then painted them with tincture of merthiolate. A booster dose of tetanus toxoid was given at that time. (Continued on page 326)

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES (Cumulative totals include revised and delayed reports through previous weeks)

	38th WEER	ENDED	MEDIAN	CUMULATIVE, FIRST 38 WEEKS			
DISEASE	SEPTEMBER 24, 1966	SEPTEMBER 25, 1965	1961 — 1965	1966	1965	MEDIAN 1961 — 1965	
Aseptic meningitis Brucellosis Diphtheria Encephalitis, primary: Arthropod-borne & unspecified Encephalitis, post-infectious Hepatitis, serum Hepatitis, infectious Measles (rubeola) Poliomyelitis, Total (including unspecified) Paralytic Nonparalytic Meningococcal infections, Total Civilian Military Rubella (German measles) Streptococcal sore throat & Scarlet fever Tetanus Tularemia	174 5 10 72 9 33 588 375 — — 28 26 2 216 4,756 4	77 9 2 79 7 677 624 2 2 2 35 35 35 4,705	94 9 9 738 627 10 6 31 4,132	2,096 167 140 1,541 600 1,004 23,278 189,859 70 66 — 2,744 2,468 276 41,901 314,932 125	1,449 188 112 1,304 549 { 24,812 240,837 46 39 6 2,352 2,170 182 293,530 196 190	1,431 306 184 	
Typhoid fever	10 4	5 3	15	276 209	30 2 228	383	
Rabies in Animals	66	85	61	3,124	3,327	2,879	

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	4	Botulism:	
Leptospirosis: Iowa-1, Tenn1. Malaria: NYU-1,Pa-3,Md-4,NC-3,Ala-3,Ore-1,Io-2,Ky-2,Cal-2,Ga-1	289	Trichinosis: NYC-1	1
Psittacosis: Typhus, murineTex1	34	Rubella, Congenital Syndrome: Plague	20

HUMAN RABIES DEATH - South Dakota (Continued)

Eleven ml. of antirables serum was given within 18 hours of the exposure. Approximately one-half the volume was infiltrated around the bite wounds and one-half injected intramuscularly. The child was started on duck embryo origin rabies vaccine the same day and thereafter received a 1 ml. dose daily for the following 21 days. During this course of treatment he received Benadryl, 50 mg q.i.d.

Twenty-four days after the exposure the boy developed a severe headache. There were no prior symptoms except for "a funny feeling" in the fingers of the right hand before onset of headache. He was hospitalized at DeSmet, South Dakota, the following day when he developed a fever of 104°F. About 48 hours after the onset of headache he became irrational. There was a short period of hyperexcitability, laryngeal spasm and increased salivation, followed by coma.

The boy was transferred to Sioux Valley Hospital, Sioux Falls, South Dakotn, on September 1, 1966. At this time he responded only to deep pain. Deep tendon reflexes were diminished, more so in the upper than lower extremities. He remained comatosc until death on September 5, 1966.

Therapy included ACTH, instituted early in the course of illness because of the possibility that symptoms might be a vaccine reaction. Subsequent treatment in-

cluded tracheostomy, steroids for hypotension and urea to reduce cerebral edema.

Tissues were submitted to the State Health and CDC Laboratories for microscopic examination and virus isolation. Impression smears from the brain, lungs, and salivary glands were negative on direct fluorescent microscopic examination. A positive virus isolation was made in mice and the brains from the first mouse passage were positive by direct fluorescent microscopy for rabies. Preliminary immunologic tests on blood serum drawn terminally, using the indirect fluorescent antibody technique, were positive.

(Reported by Ben Diamond, Director of Laboratories, South Dakota State Department of Health; and the CDC Rabies Investigations Laboratory.)

Editorial Note:

This clinical failure illustrates the limitation of present rabies prophylactic procedures. In spite of nearly ideal management including thorough cleansing of the wounds, infiltration with antirabies scrum and a full course of vaccine, the patient developed rabies in less than 30 days from time of the bites. Skunks are known to excrete higher titers of virus in their saliva than other rabid animals. Bites involving the fingers and face, anatomical areas heavily supplied with nerve endings, are known to carry a greater hazard of disease.

DIPHTHERIA - South Carolino

On June 18, 1966, a 10-year-old Negro boy died in Columbia, South Carolina, after an 8-day illness characterized by fever, sore throat and respiratory distress. Nasopharyngeal and throat cultures grew out a toxigenic strain of *C. diphtheriae*. After the death of this boy, 21 additional cases and 21 carriers were discovered. The epidemic reached its peak during the week ending August 6, when seven new cases were diagnosed. All cases occurred among the nonwhite, lower socioeconomic populace. Twenty of these were below the age of 15 years; 8 occurred in the 1-4 year age group. The index case and a 1½-year-old male infant died. No new cases have been reported since September 6.

Both patients who died and 15 other clinically ill persons definitely had not been immunized against diphtheria. In three other cases immunization was inadequate; in one other case it had lapsed. The status was unknown in the remaining case. Only two carriers had received a full course of diphtheria toxoid previously. All cases, except for the two fatal ones, were clinically mild and without complications. Of the 43 *C. diphtheriae* strains isolated. 41 were toxigenic. One non-toxigenic strain was recovered from a carrier and another from a patient with a traumntic ocular infection.

The 22 cases were confined to the city of Columbia which has a population of 97,433 including 29,644 non-whites (1960 census). In contrast to the absence of reported diphtheria cases since 1957, the recent attack

rate among the nonwhite 1-15 year age group was 18.2 per 10,000. Contact among all but two of the cases and carriers has been established in three distinct geographic foci.

Two weeks after the onset of the initial case, the county health officer decided to culture all members and close contacts of the clinically affected persons. Four hundred cultures were taken by mid-August. Each household contact was treated with 1,000 units of antitoxin and 2.4 million units of procaine penicillin each day until three consecutive throat cultures were negative. The clinically ill patients were treated with 20,000-80,000 units of antitoxin and 2.4 million units procaine penicillin per day.

On July 28, a mass vaccination program was undertaken at a clinic in each of the three epidemic areas. Over 25,000 doses of DT or DTP vaccine have been administered. Eighty to 90 percent of the doses have been given to the nonwhites, the majority to persons less than 20 years of age. A large proportion of this population was known to have been susceptible due to a survey conducted in this area in 1964 to determine the immunization stntus of the residents; results indicated that at that time only 62 percent of the nonwhite population in the 1-14 year age group had received adequate DTP immunization. (Reported by Dr. G. E. McDaniel, Director, Division of Disease Control, State Board of Health of South Carolina; and an El8 Officer.)

CURRENT TRENDS ASEPTIC MENINGITIS

During the first 38 weeks of 1966, 2,096 cnses of aseptic meningitis were reported to the Communicable Disease Center through the National Morbidity Reporting System. During the comparable period in 1965, 1,449 cases were recorded. Through the first 26 weeks of both years the numbers of reported cases were nearly the same: 765 in 1966 and 742 in 1965.

The increased numbers of cases during recent weeks have been reported primarily from several states along the eastern seaboard (Florida, Massachusetts, New Jersey, New York City, Rhode Island and West Virginia) in addition to California, Louisiann, Mississippi and Texas. Table 1 compares the reported incidence of aseptic meningitis from these 10 states at the end of the 26th and 38th weeks of 1965 and 1966.

Table 1 States Reporting Significant Increase" in Incidence of Assetic Meninaitis

State	19	165	1966				
	26th Week Ended 7-3	36th Week Ended 9 25	26th Week Ended 7 2	38th Week Ended 9 24			
California	225	\$16	223	515			
Florida	45	62	40	106			
Louisiana	6	14	16	41			
Massachusetts	1.5	26	6	109			
Mississippi	1	2	19	5.9			
New Jersey	14	28	24	96			
New York City	21	34	20	63			
Rhode Island	2	6	5	53			
Texas	76	151	103	251			
West Virginia	0	1	4	9.2			

*Increase of 25 or more cases from end of 35th week in 1965 to end of 35th week in 1966.

No single etiologic agent has been identified to account for the majority of the cases.

SURVEILLANCE SUMMARY SHIGELLA — Second Quarter, 1966

During the second quarter of 1966, 1,856 shigella isolations from human sources were reported from 53 centers. This represents an 11.6 percent decrease from the 2,099 recoveries reported during the first quarter. The number of isolations notified the first quarter showed a 13.6 percent decrease from the total of 2,429 reported during the fourth quarter of 1965. The seasonal pattern demonstrated in the first two quarters of 1966 has deviated slightly from that of the 1964 and 1965 (Figure 1).

Figure 1
REPORTED ISOLATIONS OF SHIGELLA



^{*}ALASKA ARIZONA, HAWAII, ILLINOIS KANSAS, MARYLAND, NEW JERSEY, NEW MEXICO, NORTH CAROLINA, NORTH DAKOTA ONIO

Nineteen serotypes were recorded for the second quarter, three less than for the preceding quarter. The six most frequently reported are listed in Table 2. In this quarter as well as in previous ones, these subgroups have been the most common, accounting for over 85 percent of all isolations. Shigella sonnei has consistently held the first rank and S. flexneri 2, the second.

Toble 2
The Six Most Frequently Reported Shigello Serotypes
from Humon Sources

	Second Qua	Previo	us Quarter		
Rank	Serotype	Number	Percent	Rank	Percent
1	S. sonnei	640	34.5	1	36.8
2	S. flexneri 2	464	25.0	2	31.2
3	S. flexneri 3	277	14.9	3	10.0
4	S. flexneri 6	128	6.9	5	4.0
5	S. flexneri 4	108	5.8	4	7.7
6	S. flexneri 1	45	2.6	6	3.6

A regional difference has been recognized among shigella isolations, as a significantly higher percentage of S. flexneri isolations has been noted in the South as compared to the North. S. flexneri isolations accounted for about 73 percent of all shigella isolations in the southeastern quarter of the U.S., and around 81 percent in the southwestern quarter. In contrast, S. sonnei recoveries dominated the isolations from the northeastern and northwestern quarters, where 53 and 75 percent, respectively, were reported.

During April, May and June, 70.8 percent of the shigella isolations were reported from children under 10 years of age, approximately the same percent as in the preceding quarter. Again no sex predilection for shigella was apparent in the second quarter, although a predominance of males among the less than 5-year age group was observed. Of the total second quarter isolations, 348 or 18.8 percent were from families with other members of the same family positive for shigella. This was slightly lower than the percentages reported during the previous two quarters (25.2 and 27.4 percent, respectively).

^{**}ADJUSTED TO FOUR WEEK MONTHS

Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

SEPTEMBER 24, 1966 AND SEPTEMBER 25, 1965 (38th WEEK)

UNITED STATES NEW ENGLAND Maine New Hampshire Vermont	ASEF MENIN 1966 174	TIC IGITIS	BRUCELLOSIS	Prim		Post-					Both
NEW ENGLAND Maine New Hampshire				unsp.	ding cases	Infectious	DIPH	THERIA	Serum	Infectious	Types
NEW ENGLAND Maine New Hampshire	174	1965	1966	1966	1965	1966	1966	1965	1966	1966	1965
Maine New Hampshire		77	5	72	79	9	10	2	33	588	677
Maine New Hampshire	11	2		1		1	_	_	3	37	40
New Hampshire	- 11	_	_	1	_	1	-		_	12	3
•	-	_		_		_	_			1	6
vermont	_	<u> </u>		_	_	1 1	-		_	_	4
Vesselvestte	2	2		1	_		_	_	_	15	18
Massachusetts Rhode Island	9	_		_		-		_	_	2	3
Connecticut	-	_	_	_	_	_	_	-	3	7	6
Connecticat										· '	
MIDDLE ATLANTIC	32	4	_	11	16	1	_	_	20	102	131
New York City	7	2	_	4	6	-	-	_	13	27	27
New York, Up-State.	4	1	_	1	_	_	_	_	1	22	33
New Jersey	18		_	4	4	_	_	_	4	19	37
Pennsylvania	3	1	-	2	6	1	-	-	2	34	34
i cimoj i vanzati i											
EAST NORTH CENTRAL	21	15	-	23	19	2	- 1	-	-	86	148
Ohio	7	5	-	22	13	-	-	-	-	25	41
Indiana	2	-	-	_	-	-	-	-	-	11	6
Illinois	5	6	-	1	5	1		-	-	19	23
Michigan	3	3	-	_	_	1	-	-	-	27	50
Wisconsin	4	1	-	-	1		-	-	-	4	28
WEST NORTH CENTRAL	3	10	2	8	13	-	-	-	1	47	22
Minnesota	-	8	_	-	1	-	-	-	1	4	3
Iowa	-	-	1	_	1	_		-	_	32	4
Missouri	1	-	_	7	2	-	_	_	_	4	3
North Dakota	2	2	_	_	9	_	_	_	_	1	_
South Dakota	-	_	_	_	_	-	-	_	_	_	1
Nebraska	-	-	_	_	_		_	_	_	3	3
Kansas	_	-	1	1	_	_	_	_	_	3	8
Ratisas			-	-							
SOUTH ATLANTIC	58	5	_	2	2	_	2	_	_	53	57
	1	_	_	_		_	-	_	_	2	4
Delaware	3	1		_	_	_	_	_		17	10
Maryland	2	-		_	_	_	_		_	- 17	-
Dist. of Columbia	6	_		_		_	_	_		4	21
Virginia	41	_		1	_	_	_	_	_	2	2
West Virginia	1		_	1					_	10	2
North Carolina	- I	1		_	1			_	_	1	5
South Carolina		-	_	_	-	_	2	-	_	2	_
Georgia	6	3		_	1	_	_	_		15	13
Florida	0	3	_	_	1	_	_	_	_	13	13
EAST SOUTH CENTRAL	11	7	_	2	_	1	_	_	1	38	66
	1	3	_	_	_	i	_	_	_	19	35
Kentucky	9	1	_	2	_		_		1	14	15
Tennessee	1	2	_	_	_	_	_		_	3	12
Alabama	-	1		_	_	-	_		_	2	4
Mississippi	-	1	_	-	_	-		_	-	2	4
FEET COUTH CENTERAL	9	7	2	13	6	3	8	1	1	40	72
WEST SOUTH CENTRAL	-	1	_	4	1	3 -	-	_	_	5	4
Arkansas	_ [[1	1	3	1	2	8	1	_	7	5
Louisiana	1	_	1	3			- 8	-	_	3	3
Oklahoma			_	6	5	1			1	25	- (2
Texas	8	6	-	0)	1	-	-	1	20	63
LOURS THE TAX		2		2	17					20	/ 2
MOUNTAIN	-	3	-	3	14	-	- 1	-	-	28	42
Montana	-	-	-	- 1	1	-	-	-	-	- 4	2
Idaho	-	-	-	1	-	-	- /	-	-	4	1
Wyoming	-	-	-	-	-	-	-	-	-	-	1
Colorado	-	-	-	2	12	-	-	-	-	3	6
New Mexico	-	-	-	-	1	-	-	-	-	4	20
Arizona	-	2	-	-	-	-	-	-	-	12	12
Utah	-	1	-	-	-	-	-	-	-	2	-
Nevada	-	-	-		-	-	-	-	-	3	-
PACIFIC	29	24	1	9	9	1	-	1	7	157	99
Washington	1	3	-	-	-	1	-	1	-	9	2
Oregon	-	-	-	3	3	-	-	-	~	18	7
California	27	21	1	6	6	-	-	-	7	128	87
Alaska	-	-	-	-	_	-	-	-	-	1	2
Hawaii	1	-	-	-	-	-	-	-	-	1	1
Puerto Rico	_	-								27	

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

SEPTEMBER 24, 1966 AND SEPTEMBER 25, 1965 (38th WEEK) - CONTINUED

	MEASLES (Rubeola)		(Rubeola) MENINGOCOCCAL INFECTIONS, TOTAL					POLIOMYELITIS Total Paralytic				
AREA							Tot					
	1966			1966	Cumu la		1966	1965	1966	Cumulative	1966	
		1966	1965		1966	1965			2700	1966		
UNITED STATES	375	189,859	240,837	28	2,744	2,352	-	2	-	66	216	
NEW ENGLAND	6	2,264	36,817	_	121	120	_	-	_	_	29	
Maine	_	201	2,796	-	9	16	-	-	-	_	10	
New Hampshire	-	80	381	-	9	7	-	-	-	_	-	
Vermont	5	238	1,257	-	4	7	-	-	-	-	_	
Massachusetts	1	781	19,295	-	49	40	-	-	-	-	5	
Rhode Island	-	72	3,938	-	13	14	-	-	-	-	1	
Connecticut	-	892	9,150	-	37	36	-	-	-	-	13	
MIDDLE ATLANTIC	13	18,013	14,796	9	333	306	- /	1	-	_	16	
New York City	4	8,286	2,399	2	47	53	-	-	-	-	5	
New York, Up-State.	3	2,535	4,135	2	93	87	-	-	-	-	9	
New Jersey	-	1,846	2,574	1	98	80	-)	1	-	-	-	
Pennsylvania	6	5,346	5,688	4	95	86	-	-	-	-	2	
EAST NORTH CENTRAL	86	68,748	55,802	4	430	334	-	1	-	3	76	
Ohio	11	6,351	8,883	1	116	89	-	*	-	-	4	
Indiana	-	5,698	1,838	1	77	42	-)	-	-	1	4	
Illinois	5	11,363	2,742	-	79	94	- 1	T .	-	2	18	
Michigan	40	14,472	26,473	1	115	72	-	1	**	-	17	
Wisconsin	30	30,864	15,866	1	43	37	-	-	-	-	33	
WEST NORTH CENTRAL	10	8,687	16,527	3	147	122	-	-	-	1	9	
Minnesota	3	1,643	674	-	34	26	- 1	-	-	1	-	
Iowa	3	5,308	8,997	-	22	9	-	-	-	-	7	
Missouri	-	531	2,588	2	57	52	- 1	-	-	-	-	
North Dakota	4	1,088	3,702	-	11	11	-	-	-	-	2	
South Dakota	-	40	115	-	4	3	-	-	-	-	-	
Nebraska Kansas	NN	77 NN	451 NN	1	8	10	-	-	-	_	-	
SOUTH ATLANTIC	42	15,269	24,940	4	459	451	-	-	-	1	25	
Delaware	1	257	503	-	4	, 7	-	-	-	-	- 1	
Maryland Dist. of Columbia	1	2,106	1,161	-	46 11	44 9	_	-	-		1	
Virginia	3	2,174	4,073	1	52	53	_	_		-	1 3	
West Virginia	26	5,286	13,715	_	28	24	_	_			11	
North Carolina	3	487	391	3	118	91	_	_	_	_	-	
South Carolina	1	657	1,017	-	48	59	-	-	_	-	_	
Georgia	-	234	617	-	63	57	-	-	_	1	-	
Florida	7	3,685	3,386	-	89	107	-	-	-	-	9	
EAST SOUTH CENTRAL	26	19,716	13,911	3	242	185	_		_	3	12	
Kentucky	3	4,711	2,574	_	85	73	-	-	-	-	4	
Tennessee	18	12,301	7,896	2	81	60	-	-	-	_	8	
Alabama	1	1,686	2,325	1	54	32	-	-	-	1	-	
Mississippi	4	1,018	1,116	-	22	20	- 5	-	-	2	-	
WEST SOUTH CENTRAL	78	24,570	30,886	2	375	307		_	_	55	_	
Arkansas	-	971	1,084	-	35	15	- 1	-	-	-	-	
Louisiana	-	99	106	-	138	170	-	-	-	1	-	
Oklahoma	3	487	203	1	19	19	-	_	-	1	-	
Texas	75	23,013	29,493	1	183	103	-	-	-	53	-	
MOUNTAIN	30	11,978	19,717	-	85	73		-	-		4	
Montana	4	1,817	3,724	-	4	2	-	-	-		-	
Idaho	7	1,570	2,787	-	5	8	-	-	-	-	-	
Wyoming	2	161	845	-	6	5	-	-	-	-	-	
Colorado	2	1,314	5,634	-	46	14	-	-	-	-	-	
New Mexico	1	1,133	677	-	10	11	-	-	-	-	-	
Arizona	9	5,300	1,315	-	10	16	-	-	-	-	4	
Utah Nevada	5	640 43	4,531 204	-	- 4	14 3	-	-	-	-	-	
PACIFIC	84	20,614	27,441	3	552	454	-	-	-	3	45	
Washington	28 17	3,565 1,801	7,238 3,236	-	37 34	33 33	-	-	_	2	23 14	
Oregon	23	14,587	12,970	3	462					1		
		14,507		3	15	363 18	1	-	-	1	8	
California	15	523	581	-	1.2	10	_					
Alaska	15 1	523 138	185 3,812	-	4	7		-	-	-	-	

Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

SEPTEMBER 24, 1966 AND SEPTEMBER 25, 1965 (38th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETA	NUS	TULAF	REMIA	ТҮРН	OID	TICK-	FEVER BORNE Spotted)	RABIE ANIM	
	1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966
UNITED STATES	4,756	4	132	6	125	10	276	4	209	66	3,124
EW ENGLAND	596	_	3		1	1	7	1	3	2	73
Maine	30	-	_	-	_	1 -		_	-	1	25
New Hampshire	20	-	_	-	_	_	_	_	_	1	25
Vermont	26	_	_	_	_	_	_	_	_	_	20
Massachusetts	65	_	2	_	1	_	3	_	1	_	3
Rhode Island	44	_	_	_	_	_	_	_	_	_	_
Connecticut	411	-	1	-	-	1	4	1	2	-	-
IDDLE ATLANTIC	97	1	12	_	-	_	47	_	40	4	192
New York City	2	1	5	-	-	-	19	-	-	-	1
New York, Up-State.	87	-	2	-	-	-	11	-	13	4	179
New Jersey	NN	-	1	-	-	-	7	-	12	-	-
Pennsylvania	8	-	4	-	-	-	10	-	15	~	12
AST NORTH CENTRAL	203	-	16	-	14	4	37	1	18	5	406
Ohio	14	-	4	-	3	2	18	-	9	-	187
Indiana	40	-	3	-	5	-	3	-	1	-	87
Illinois	81	-	3	-	5	1	4	1	8	3	54
Michigan	_	-	4	-	-	1	6	_	-	1	3.
Wisconsin	68	-	2	-	1	-	6	-	-	1	4:
EST NORTH CENTRAL	214	-	7	1	15	3	26	1	4	18	700
Minnesota	1	-	1	-	-	-	-	-	-	1	15
Iowa	75	-	1	-	-	-	5	-	-	5	14:
Missouri	2	-	5	1	9	3	13	1	3	6	21
North Dakota	129	-	_	_	_	-	1	_	_	2	3
South Dakota	4	_	_	_	2	_	1	_	_	2	7
Nebraska	_	~	_	_	2		2	_	_	-	2
Kansas	3		-	-	2	-	5	-	1	2	5
OUTH ATLANTIC	561	~	30	_	10	1	50	1	97	10	407
Delaware	16	_	_	_	-	_	1	1 1	2	_	1
Maryland	105	_	3	_	1	_	9	_	25	_	
Dist. of Columbia	-	_	1 -	_	_	_	2	_	23		
Virginia	97	_	4	_	2	1	11	_	30	5	21
West Virginia	179	_	-	_	1	1	1	_	-	-	4
North Carolina	23	_	4	_	3		6	1	20	_	1
South Carolina	22	_	2	_	1		9	_	5	_	
Georgia	4	_	7							-	
Florida	115	_	10	-	2 -	_	2 9	_	15	5 -	5.
AST SOUTH CENTRAL	1,041	_	1,5	_	10	_	20		26	,	
		_	15		19		32	-	36	4	40
Kentucky	58		2	+	2	-	3	-	8		8
Tennessee	810	-	2	-	10	-	18	-	22	4	28
Alabama	94	-	6	-	4	-	6	-	6	-	1
Mississippi	79	-	5	-	3	-	5	-	-	-	1
EST SOUTH CENTRAL	483	2	30	5	57	-	28	-	7	14	63
Arkansas	1	1	5	2	44	-	2	-	2	4	7
Louisiana	-	1	7	-	3	-	8	-	-	3	4
Oklahoma	26	-	2	3	7	-	9	-	4	3	16
Texas	456	-	16	-	3	-	9	-	1	4	36
OUNTAIN	863	-	2	-	6	-	13	-	3	3	8
Montana	16	-	-	-	2	-	-	-	-	-	
Idaho	127	-	-	-	-	-	-	-	-	-	
Wyoming	20	-	-	-	-	-	-	-	-	-	
Colorado	341	-	2	-	-	-	3	-	2	2	1
New Mexico	195	-	-	-	1	~	2	_	1	_	1
Arizona	52	-	-	-	1	-	4	-	_	-	3
Utah	112	-	_	_	2	_	3	-	~	1	1
Nevada	-	-	-	-	-	-	1	-	-	-	
ACIFIC	698	1	17	_	3	1	36	_	1	6	22
Washington	155	_	- 17	_	5	_	11		-	-	1
	19	_	1			_	1		_	_	1
Oregon		1		_	2	1			1		
California	454		16		3		22	-	_	6	20
Alaska	26	-	-	-	-	-	-	-	-	-	
Hawaii	44	7	-	-	-	-	2	-		-	
	4	2	41	-	-		9				1

Week No.

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED SEPTEMBER 24, 1966

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(By place of occurrence and week of filing certificate. Excludes fetal deaths)

	All Ca	uses	Pneumonia	Under		All Ca	uses	Pneumonia	Und e
Area	A11	65 years	and	l year	Area	A11	65 years	and	l yea
	Ages	and over	Influenza All Ages	All Causes		Ages	and over	Influenza All Ages	All Cause
ALL ENGLAND.				0.0	SOUTH ATLANTIC:	1,093	530	5.6	6
NEW ENGLAND: Boston, Mass	683	410	25	38 15	Atlanta, Ga	1,093	47	56	6:
Bridgeport, Conn	222 38	123 23	9	- 15	Baltimore, Md	260	126	10	2
Cambridge, Mass	25	16	4		Charlotte, N. C	29	11	2	-
Fall River, Mass	26	19		2	Jacksonville, Fla	58	22	2	
Hartford, Conn	57	29	1	2	Miami, Fla	106	49	2	
Lowell, Mass	16	10	_	1	Norfolk, Va	41	20	3	
Lynn, Mass	20	9	-	1	Richmond, Va	54	36	1	
New Bedford, Mass	34	18	-	2	Savannah, Ga	35	18	3	-
New Haven, Conn	46	34	2	2	St. Petersburg, Fla	71	56	2	
Providence, R. I	58	30	1	5	Tampa, Fla	68	34	11	
Somerville, Mass	13	9	1	1	Washington, D. C	193	81	7	1
Springfield, Mass	50	36	2	3	Wilmington, Del	50	30	7	
Waterbury, Conn	. 26	16	Ī .		EAST SOUTH CENTRAL:	589	315	35	2
Worcester, Mass	52	38	4	4	Birmingham, Ala	88	49	4	3
IDDLE ATLANTIC:	3,010	1,733	102	143	Chattanooga, Tenn	50	24	6	
Albany, N. Y	40	23	-	1	Knoxville, Tenn	43	26	2	
Allentown, Pa	31	19	-	_	Louisville, Ky	122	78	11	
Buffalo, N. Y	137	78	2	4	Memphis, Tenn	113	50	4	1
Camden, N. J	49	25	3	3	Mobile, Ala	38	16	-	_
Elizabeth, N. J	29	16	3	4	Montgomery, Ala	41	22	7	
Erie, Pa	33	17	1	2	Nashville, Tenn	94	50	1	
Jersey City, N. J	68	38	5	4					
Newark, N. J	80	36	3	9	WEST SOUTH CENTRAL:	1,105	587	27	7
New York City, N. Y	1,551	886	44	64	Austin, Tex	37	23	1	
Paterson, N. J	40	22	3	2	Baton Rouge, La	23	14	2	
Philadelphia, Pa	390	221	9	21	Corpus Christi, Tex	24	14	-	
Pittsburgh, Pa	205	105	7	15	Dallas, Tex	162	80	6	
Reading, Pa	31	27	2	- ,	El Paso, Tex	37	21	1.	
Rochester, N. Y	110	75	9	4	Fort Worth, Tex	79	49	2	1
Schenectady, N. Y.*	23	15	1	1 2	Houston, Tex	238	108	2] 1
Scranton, Pa Syracuse, N. Y	35 50	27 31	4	3	Little Rock, Ark New Orleans, La	55 174	32 82	1 4	1
Trenton, N. J	52	30	1	٠ .	Oklahoma City, Okla	63	39	-	1
Utica, N. Y	20	16	3	1	San Antonio, Tex	106	64	2	}
Yonkers, N. Y	36	26	2	3	Shreveport, La	47	22	4	
101111011111111111111111111111111111111	30		_		Tulsa, Okla	60	39	2	
AST NORTH CENTRAL:	2,584	1,465	69	162				_	
Akron, Ohio	72	45	-	3	MOUNTAIN:	384	211	15	2
Canton, Ohio	28	18	2	2	Albuquerque, N. Mex	38	16	6	
Chicago, Ill	743	395	24	59	Colorado Springs, Colo.	20	14	1	-
Cincinnati, Ohio	136	76	7	8	Denver, Colo	117	61	2	
Cleveland, Ohio	219	122	2	15	Ogden, Utah	18	10	2	
Columbus, Ohio	110	65	5	6	Phoenix, Ariz	66	2.8	2	
Dayton, Ohio	92	52	-	1	Pueblo, Colo	17	14	-	
Detroit, Mich	350	202	4	18	Salt Lake City, Utah	57	37	_	
Evansville, Ind	40	30	5	1	Tucson, Ariz	51	31	2	
Flint, Mich	88	44	- 1	2	PACIFIC:	1 (7/	1 010	26	
Fort Wayne, Ind Gary, Ind *	39 34	17 16	1 2	5	Berkeley, Calif.*	1,674 18	1,018	26	7
Grand Rapids, Mich	50	32	_	1	Fresno, Calif	43	22		
Indianapolis, Ind	137	76	6	14	Glendale, Calif	39	25	_	
Madison, Wis	44	18	1	5	Honolulu, Hawaii	38	14	_	
Milwaukee, Wis	133	84	-	4	Long Beach, Calif	68	50	2	
Peoria, Ill	48	28	1	6	Los Angeles, Calif	601	383	7	2
Rockford, Ill	30	20	5	2	Oakland, Calif	72	36	2	
South Bend, Ind	34	25	-	1	Pasadena, Calif.*	39	28	-	
Toledo, Ohio	98	62	3	4	Portland, Oreg	118	70	-	
Youngstown, Ohio*	59	38	1	2	Sacramento, Calif	6.5	34	2	
					San Diego, Calif	90	57	2	
EST NORTH CENTRAL:	799	467	22	44	San Francisco, Calif	187	102	5	
Des Moines, Iowa	63	35	3	3	San Jose, Calif	46	30	2	
Duluth, Minn.	28	22	1	1	Seattle, Wash	152	91	4	
Kansas City, Kans	38	17	2	5	Spokane, Wash	42	30	-	
Kansas City, Mo	111	64	2	3	Tacoma, Wash	56	34		
Lincoln, Nebr	20	13	-	2	- :				
Minneapolis, Minn	112	69	1	10	Total	11,921	6,736	377	64
Omaha, Nebr	86	43	4	4			+-1-		
St. Louis, Mo	221	131	8	10		mulative To		rouione	oke
St. Paul, Minn	56	35 38	1	4 2	including report	ed correct1	ons for P	revious we	CKS
Wichita Kans	و د	36	_		411 0 411 4			479	125
Wichita, Kans									
Wichita, Kans					All Causes, All Ages				
Wichita, Kans					All Causes, All Ages All Causes, Age 65 and o Pneumonia and Influenza	over		274,	



SURVEILLANCE SUMMARY SHIGELLA - Second Quarter, 1966

(Continued from page 327)

Nonhuman

A total of 17 isolations of shigella was reported during the second quarter of 1966, as summarized in Table 3.

Toble 3 Reported Shigello Serotypes from Nonhumon Sources

Serotype	No. of Isolations	Reporting Center	Source
S. boydii 1	1	Mich.	Monkey
S. flexneri 1	2	Wisc.	Monkeys
S. flexneri 2	2	Ga.	Research sample
S. flexneri 2b	1	Texas	Lab stock culture
S. flexneri 3	7	Md. (3)	Monkeys
		Wisc. (1)	Monkey
		Fla. (3)	Monkeys
S. flexneri 4a	1	Texas	Lab stock culture
Unknown	1	Wisc.	Monkey
S. flexneri	2	Pa.	Monkeys
(not typed)			
Total	17		

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OAVIO J. SENCER, M.O. A.O. LANGMUIR, M.O. IOA L. SHERMAN, M.S.

IN A OOITION TO THE ESTABLISHED PROCEOURES FOR REPORTING MORBIOITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE A OORESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE OATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE COC BY THE INDIVIOUAL STATE HEALTH OEPARTMENTS. THE REPORTING WEEK CONCLUCES ON SATUROAY; COMPILEO OATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIOAY.

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